Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/08/2017 11:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124088	-1	1.66	123969	1.67
Blue	F	SSC	125000	123786	-1	2.34	124255	2.15
Blue	E	FITC	23355	22549	-4	2.40	1001	10.52
Blue	D	PE	28848	28163	-3	1.81	1011	9.64
Blue	B	PerCP-Cy5-5	47791	47057	-2	3.24	1356	17.26
Blue	A	PE-Cy7	41358	40519	-3	4.99	624	35.89
Red	C	APC	51316	50162	-3	2.88	2906	9.26
Red	A	APC-Cy7	53225	52398	-2	2.91	1079	11.14
Violet	B	V450	14473	13759	-5	5.85	659	9.96
Violet	A	V500	59973	57914	-4	5.76	2562	7.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20218	6.04	614	16	N/A	N/A	Pass
Blue	F	SSC	61671	1.41	543	9	N/A	N/A	Pass
Blue	E	FITC	114	39.20	547	3	0.0196	150	Pass
Blue	D	PE	222	28.95	542	4	0.1680	260	Pass
Blue	B	PerCP-Cy5-5	210	46.33	635	5	0.0096	100	Pass
Blue	A	PE-Cy7	68	122.60	686	5	0.0117	20	Pass
Red	C	APC	341	26.78	591	-3	0.0214	63	Pass
Red	A	APC-Cy7	119	39.54	573	-3	0.0057	1568	Pass
Violet	B	V450	79	41.90	469	-2	0.0454	1768	Pass
Violet	A	V500	187	22.65	500	-1	0.0141	245	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.00	0.87
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.32
Red	16.68	13.27 - 19.91	N/A	N/A	31.13	31.63	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 15833

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments